

PERETIATKOWICZ, R.

PERETIATKOWICZ, R. My touristic credo.
p. 6, No. 12, Dec. 1956
Warszawa, Poland
Turysta

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4—April 1957

CONTEA, Iancu; SUTESCU, P.; GARDEV, M.; PERETIAU, J; CONTEA, Liviu

Study of the rationing, for agricultural workers. Bul. stiint.,
sect.med. 7 no.4:1097-1117 Oct-Dec '54. (MLWA 8:8)

1. Lucrare premiata de Consiliul stiintific I.M.F.

(FOOD

rationing, for agricultural workers in Rumania)

(AGRICULTURE

food rationing of agricultural workers, in Rumania)

PERETOLCHIN, I., brigadir buril'shchikov

School of comradeship and courage. Sov.profsoiuzy 16 no.15:
16-18 Ag '60. (MIRA 13:8)
(Bratsk Hydrcelectric Power Station--Boring)

PERETOLCHIN, I.

Struggling for communist labor. Energ.stroi. no.25:10-11 '61.
(MIRA 15:4)

1. Stroitel'stvo Bratskoy gidroelektrostantsii.
(Bratsk Hydroelectric Power Station--Efficiency, Industrial)

PERETOLCHIN, V. A.

"Analysis of Some Problems in the Operation of Heavy-Duty Fracture Mining Machines." Cand Tech Sci, Leningrad Order of Lenin and Labor Red Banner Mining Inst, Min Higher Education USSR, Leningrad, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

PERESTORONINA, G.F., arkhitektor.

Advantages of a low position for the mechanical equipment of
navigable locks. Gidr. stroi. 27 no.10:24-27 0 '58. (MIRA 11:12)
(Locks (Hydraulic engineering))

PERETRUKHIN, N.A., kand.tekhn.nauk; SAATCHYAN, G.G., kand.tekhn.nauk

Calculating the depth for cutting soft ground in hollows and on
the level. Transp. stroi. 13 no.6:49-51 Je '63. (MIRA 16:9)
(Railroads--Construction)

PERETRUKHIN, N.A., kand.tekhn.nauk.

Some problems in planning railroad lines in permafrost regions.
Transp. stroi. 8 no.2:21-22 P '58. (MIRA 11:2)
(Railroad engineering)
(Frozen ground)

ZHINKIN, G.N., dots., kand. tekhn. nauk; PERETRUKHIN, N.A., st. nauchnyy
sot.r., kand. tekhn. nauk; KARASEV, Ya.M., dots., retsenzent;
KASATKIN, A.I., inzh., retsenzent; KARPOV, K.N., dots., retsenzent;
YERMAKOV, K.A., red.

[Roadbed construction in permafrost regions] Sooruzhenie zemliano-
polotna zheleznykh dorog v raionakh vechnoi merzloty; uchebnoe po-
sobie po kursu "Stroitel'stvo zheleznykh dorog" dlia studentov
dnevno, vechernego i zaocnogo obucheniia. Leningrad, Leningr.
in-t inzhenerov zhel-dor. transporta im. V.N.Obraztsova, 1961. 61 p.
(MIRA 16:3)

(Railroad engineering--Cold weather conditions)
(Frozen ground)

PERE TRUKHIN, N.A.

ZARUBIN, N.Ye., inzh.; PERESTRUKHIN, N.A., kand. tekhn. nauk.

Planning pile foundations for contact system poles in frozen ground
regions. Transp. stroi. 7 no.11:4-7 N '57. (MIRA 11:2)
(Electric lines--Poles) (Frozen ground) (Electric railroads)

PERETRUEKHIN, N.A., kandidat tekhnicheskikh nauk.

Building fill dams on wet soil foundations. Transp. stroi. 5
no.9:17-18 N '55. (Dams) (MLRA 9:2)

PERESTUKHIN, P. A.

V. D. OSPODNEKOV, Russ. 56, 002, Nov. 30, 1939

PERETRUKHIN, V.P.

Development of research in radiochemistry; meeting of the Department
of General and Technical Chemistry. Vest. AN SSSR 35 no.3:95-95 Ag
'68. (MIRA 18:8)

MISSION NR: AP4020056

S/0103/34/003/001/0

AUTHOR: Gal'man, A. D.; Mafod'yeva, M. P.; Maslova, Ye. D.; Glazunov, A. I.; ~~Chelishchikov, R. N.~~; Peretrukhin, V. F.

TITLE: Precipitation of Np sup 239 from irradiated uranium by ion exchange

SOURCE: Radiokhimiya, v. 6, no. 1, 1964, 55-42

KEY TAGS: precipitation, Np sup 239, irradiated uranium, ion exchange, uranium dioxide, gamma spectrum, beta spectrum, uranium

ABSTRACT: A method was developed for precipitating Np²³⁹ from uranium dioxide by irradiating it with neutron flux, using a solution of the target in 8M HNO₃. After hydrazine addition, sorption in the anion exchanger AB-17 and elution with 0.1M HNO₃. After a single filtration through the column with AB-17, Np²³⁹ which is practically free from fragment activity is obtained. A high degree of refinement is confirmed by study of the γ and β spectra of precipitated Np²³⁹. The authors are very grateful to Yu. A. Zolotov from whom the Np²³⁹ was obtained. Geig. art. has: 5 figures.

MOSKVIN, A.I.; FERETRUKHIN, V.F.

Study of the complex formation of pentavalent neptunium in
phosphate solutions by means of ion exchange. Radiokhimiia
6 no.2:206-214 '64. (MIRA 17:6)

PERETRUKHIN, Vasilii Ivanovich; KONONOVA, V.S., red.; GALAKTIONOVA,
Ye.N., tekhn. red.

[Boring and blasting operations in open-pit mines] Burovzryv-
nye raboty v kar'erakh. Moskva, Avtotransizdat, 1963. 31 p.
(MIRA 16:8)

(Blasting) (Boring)

DEVONISSKIY, Viktor Yul'yevich; PERETRUKHINA, G.F., red.

[Germanium diode rectifiers] Vypriamiteli na germanievykh
diodakh. Moskva, Voenizdat, 1964. 183 p. (MIRA 17:5)

PETROV, Viktor Pavlovich; SOCHIVKO, Arkadiy Arkad'yevich; STERLIGOV,
V.L., red.; FERETRUKHINA, G.F., red.; KOKINA, N.N., tekhn.
red.

[Rocket control] Upravlenie raketami. Izd.2., ispr. i dop.
Moskva, Voenizdat, 1963. 263 p. (MIRA 16:4)
(Rockets (Ordnance))--Controls)

PERESTRUTOV, V.

Increase material rewards for raising labor productivity. Sots.trud
no:8:57-59 Ag '56. (MIRA 9:10)
(Railroads) (Bonus system)

PERETRUTOV, V.

New reference books on wages in railroad transportation. Sots. trud
no.10:113-118 0 '56. (MLRA 9:11)
(Railroads--Salaries, pensions, etc.)

PERETRUTOV, V.

Section work organizer. Sots. trud 8 no.12:57-60 D '63.
(MIRA 17:2)

KORSAKOV, Ye.; PERETRUTOV, V.

On loading and unloading works in seaports. Sots. trud 7 no.11:117-122
N '62. (MIRA 15:12)

(Wages--Longshoremen)

(Bonus system)

PERETRUTOV, V.

Manuals on wages for the workers of railway transportation.
Sots. trud 8 no.2:152-155 F '63. (MIRA 16:2)
(Railroads--Salaries, pensions, etc.)

PERETRUTOV, V.

Collective Labor Agreements

Fulfill every point of the collective agreement. V pom. profaktivu 14, No. 7, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

PERETRUTOV, V.

Railroads

Fulfill every point of the collective agreement. V pom. profaktivu 14, No. 7, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

GUSHCHIN, Vitaliy Ivanovich; PERETRUKHIN, V.I., red.; PROTANSKAYA,
I.V., red. izd-~~va~~; NAGURINA, A.M., tekhn. red.

[Work with explosives in the lumber industry] Vzryvnye
raboty v lesnoi promyshlennosti. Moskva, Goslesbumiz-
dat, 1963. 170 p. (MIRA 17:2)

VODOLAZHCENKO, Yu.T.; BELOUS, E.A.; GOLUBCHIK, S.F.; LINCHEVSKIY,
V.V.; PERETRUTOV, V.L.; YAKIMENKO, I.A.; CHICHEVA, L.I.,
red.;

[Dismantling and assembling the DT-20 tractor] Razborka i
sborka traktora DT-20. Moskva, "Kolos," 1964. 174 p.
(MIRA 17:8)

N/5
762.206
.Pl₄

PERETRUTOV, VALENTIN NIKOLAYEVICH

Oplata Truda Rabotnikov Stroitel'Nyykh Organizatsiy (Wages of Workers in the Construction and Transportation Ministries,) by V. N. Peretrutov, A. A. Ponomorenko, I P. N. Rishar. Moskva, Transzheldorizdat, 1957. 270 P. Tables.

PERETRUTOV, Valentin Nikolayevich; PONAMORENKO, Aleksandr Alekseyevich;
RISHIN, Petr Nikolayevich; YURCHENKO, I.F., inzhener, redaktor;
CHERNYSHEV, V.I., redaktor; BOBROV, Ye.N., tekhnicheskiy redaktor.

[Wages for construction organization workers; a manual] Oplata
truda rabotnikov stroitel'nykh organizatsii; spravochnik. Pod
obshchei red. I.F. Yurchenko. Moskva, Gos.transp.shel-dor.izd-vo,
1957. 270 p. (MLRA 10:5)

(Wages) (Construction industry)

PERETRUTOV, V.N.

[Wages of railroad construction workers] Oplata truda rabotnikov
stroitel'nykh organizatsii zheleznodorozhnogo transporta. Moskva,
Gos. transp. zhel-dor. izd-vo, 1950. 173 p. [Microfilm](MLRA 8:1)
(Railroads--Salaries, pensions, etc.) (Wages)

PERETS, B.K., inzhener.

Damage to rotor winding insulation during the starting of
a turbine generator. Elek.sta. 27 no.7:54-55 J1 '56. (MLRA 9:10)

(Electric generators)

(Electric insulators and insulation)

PERETS, B.K., inzh.

R redesigning the internal drum parts of the TP-230 boiler. Elek. sta.
29 no.7:79-80 J1 '58. (MIRA 11:10)
(Boilers, Watertube)

PERVIN, D.K., inzh.

Installation of the BZ-2.1-125 boiler and problems of their
installation of equipment. Energ. stroi. no.38 73 77 164.

(1978) 17

1. Trest "Yashteploenergmontazh."

PERETS, B. K.

Dynamos

Repair of turbogenerator having a wire belt on the rotor. Elek. sta. 23 no. 4, 1952, Inzh.

Monthly List of Russian Accessions, Library of Congress, August 1952. UNCLASSIFIED

PERETS, B.K., inzhener.

Measures for improving the operation of pulverized coal systems.
Elek.sta. 27 no.2:54 F '56. (MIRA 9:6)
(Coal, Pulverized)

~~PERETS~~, B.K., inzhener

Installation of La Mont boilers. Elek.sta.26 no.8:45-46 Ag'55.
(Boilers) (MIRA 8:12)

PERETS, B. K.,

AID P - 3331

Subject : USSR/Power Engineering

Card 1/1 Pub. 26 - 17/28

Author : Perets, B. K., Eng.

Title : Experience in mounting boilers of the Lamont type

Periodical : Elek. sta., 8, 45-46, Ag 1955

Abstract : The article reports in detail on the mounting of Lamont type boilers manufactured by a Swedish firm at a power plant in the USSR. A full description of the boiler is also given.

Institution : None

Submitted : No date

PERETS, B.K., inzhener.

Eliminating fuel oil from firing and operating boiler furnaces
on powered coal. Elek. sta. 28 no. 5:8-9 My '57. (MLRA 10:6)
(Boilers)

KALININ, A. (poselok Mel'nichnyy Ruchey, Leningradskoy obl.); POPKOV, V.,
inzh. (Khar'kov); PERETS, P. (Bronnitsy, Moskovskoy obl.);
KUZNETSOV, P. (Leningrad); MATVEYENKO, I., mekhanik (Alatyr');
KALINICHENKO, M. (Leningrad); IKKERT, G. (Otradnyy, Kuybyshevskoy
obl.); DUDIKOV, N.; BUKANOV, A.

Readers suggest. Za rul. 21 no.7:18-19 J1 '63. (MIRA 16:8)
(Motor vehicles--Technological innovations)

PERETS, I.

The vacuum. Nauka i tekhnolozhiya 16 no.7/8:48-52 Jul-Aug '64

FEL'DSHTEYN, Aleksandr L'vovich; YAVICH, Lev Rafaelovich; SMIRNOV, Vitaliy Petrovich; PERETS, R.I., red.; BUL'DYAYEV, N.A., tekhn. red.

[Manual on the elements of waveguide technology] Spravochnik po elementam volnovodnoi tekhniki. Moskva, Gosenergoizdat, 1963. 359 p. (MIRA 17:2)

PERETS, Yu.K.

Exchange of experience on therapeutic physical culture. Med.
sestra 17 no.4:39-41 Ap '58. (MIRA 12.10)

1. Instruktor lechebnoy fizkul'tury sanatoriya imeni I.V.
Stalina, Kislovodsk.

(KISLOVODSK--EXERCISE THERAPY)

SHPORN, A.B., PERETSIANU, Zh.M., GAL'PERIN, Zh.S.

Investigation on toxicity of chemical food additives. Vop.vit.
17 no.4:48-53 Je-Ag '58 (MIRA 11:7)

1. Iz otdela gigiyeny pitaniya (zav. - kand.med.nauk A.B. Shporn)
Instituta gigiyeny i zdavookhraneniya Rumynskoy Narodnoy Respubliki,
Bukharest.

(FOOD,
additives, tox. (Rus))

PERETS, V.A.; FROLOV, Yu.S.

Automation of calculating operations in determining the reserves
of mineral raw materials. Razved. i okh. nedr 29 no.9:5-10 S
'63. (MIRA 16:10)

PERETS, V.B., kand.tekhn.nauk

Lighting of rolling-mill control cabins. Svetotekhnika 4 no.6:24-25
Je '58. (MIRA 11:6)

1. Svedlovskiy institut okhrany truda.
(Lighting) (Rolling mills)

PERETS, V.B., kand. tekhn. nauk

Frontal lighting of hot-rolling mills. Svetotekhnika 4 no. 7:8-
12 J1 '58. (MIRA 11:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po okhrane
truda, Sverdlovsk. (Factories--Lighting)

PERETTS, L. G.

Chair of Microbiology, State Medical Inst., SVERDLOVSK, (-1944-)

"On the serological diagnosis of gas gangrene."

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 9, 1944.

PERETTS, L. G., N. I. Gryaznov, and G. I. Apibalova

"Vitamin-forming Function by Microbes of the Normal Intestinal Microflora"
Zhur. Mikrobiol. Epid. i Immun., No.6, 1948, pp.79-84

PERETTS, L. G.

"Yu. I. Milenushkin's Book: 'The Human Organism and Pathogenic Microbes'"
Priroda, No. 12, 1949

USSR/Medicine - Antibiotic Candy Jan/Feb 52

"Use of Candy Containing Antibiotics and Activators for Disinfection of the Throat," L. G. Perets, Chair of Microbiol, Sverdlovsk Med Inst and Exptl Div, Sverdlovsk Inst of Microbiol and Epidemiol

"Vest Oto-Rino-Laringol" Vol XIV, No 1, p 78

According to Perets, use of antibiotic candy 10-20 times a day has a greater effect on the mucous membrane of the throat than any other mode of local application. The effect is more protracted, the antibiotic is quickly absorbed, but out of 500 units of penicillin in each piece
204763

USSR/Medicine - Antibiotic Candy Jan/Feb 52
(Contd)

of candy only 10-15 units were still present after 2 mos. Candy containing 1,000 gamma of gramicidin B and 0.01 g activator (i.e., urotropin and pyramidon,) per piece was prepd. Upon storage the gramicidin content fell to 400-800 gamma but not lower. This candy was found effective against hemolytic streptococci in vivo and, on the basis of tests in vitro, is regarded as promising for use against throat exudates contg diphtheria or scarlet fever bacilli as well as for the treatment of angina.

204763

PERETS, L. G.

MEDVINSKAYA, K.G.; SLAVIN, V.S., kandidat meditsinskikh nauk, direktor; PERETTS,
L.G., professor, rukovoditel' raboty.

Changes in the duration of preservation of dysentery bacilli in water in
connection with changes of their biological properties (Author's abstract).
Zhur.mikrobiol.enid.i immun. no.7:76-77 JI '53. (MLRA 6:9)

1. Sverdlovskiy sanitarno-gigiyenicheskiy institut.

(Dysentery)

PERETS, PROF L. G.

USSR/Medicine - Microbial Antagonism Nov 53

"A Reply to L. S. Kreyenin's Article Criticizing My Article on Microbiol Antagonism and Antibiotics [no refs]," Prof L. G. Perets

Zhur Mikro, Epid, i Immun, No 11, pp 71-75

In defending himself against accusations by Kreyenin made on ideological grounds, Perets discusses in considerable detail work by himself, by Kreyenin, and by other investigators on the antibiotic effects of saprophytic microorganisms, particularly B. coli. Stresses his (Perets') opinion

271755

(based on expts by himself and P. S. Kupalov) that action on the vegetative nervous system has a sharp effect on the condition of the intestinal microflora and that there is interdependence between the microorganism exposed to external influences and the intestinal microflora.

271755

PERETS, L. G.

USSR/Medicine - Bacilli coli

FD-560

Card 1/1 Pub. 148 - 23/23

Author : Gorgiyev, T. B.

Title : Concerning the antagonistic role of Bacilli coli in an organism

Periodical : Zhur. mikrobiol. epid. i immun. 69-72, Jun 54

Abstract : An article by L. G. Perets entitled, "Normalization of the Intestinal Microflora as ~~A MEANS~~ of Combatting Dysentery", is given a critical evaluation. Quoting Pavlov and Mechnikov, the author points out discrepancies in Perets' work and suggests modifications in keeping with current Soviet theories. The discussion centers on the treatment of dysentery, typhoid, and other enteric diseases by the oral administration of selected cultures of Bacilli coli. The role of the cerebral cortex in controlling phenomena occurring in the intestines is emphasized. Five Soviet references are cited.

Institution : The Dagestan Institute for the Production of Nutritional Media
(Director-N.A. Likhvar')

Submitted : February 4, 1953

PERETTS, L.G.

PERETTS, L.G.; BYCHKOVSKAYA, O.V.

Changes in the biological properties of microbes upon their acquisition of resistance to medicines. Zhur.mikrobiol.epid. i immun. no.3:88 Mr '54.
(MLRA 7:4)

1. Iz Sverdlovskogo instituta epidemiologii i mikrobiologii i Sverdlovskogo meditsinskogo instituta.
(Bacteria, Pathogenic) (Bacteria, Effect of drugs on)

PERETTS, L.G.

[Significance of normal microflora for the human organism] Znachenie
normal'noy mikroflory dlia organizma cheloveka. Moskva, Medgiz,
1955. 434 p.
(BACTERIOLOGY, MEDICAL) (MIRA 10:3)

USSR/Microbiology - Microorganisms Pathogenic to
Humans and Animals

F-3

Abs Jour: Ref Zhur - Biol., No 18, 1958, 81538

Author : Peretts. L.G.

Inst : -

Title : Dysbacteriosis of the Intestinal Tract.

Orig Pub: Dizenteriya. Sb. tr. mezhinstitutsk. nauchn.
konferentsii. 1955, M., 1956, 29-38

Abstract: A review. Causes of dysbacteriosis, their
seasonal occurrences, effect on the organism
as a whole, therapy with colibacterin, and
problems of altering intestinal pathogenic
flora in vivo in relation to dysbacteriosis.

Card 1/1

PERETS, L.G.

The importance of microbial variability for the epidemiology and clinical treatment of infectious diseases. Zhur. mikrobiol. epid. i immun. 27 no.2:112-118 P '56. (MIRA 9:5)

1. Iz Sverdlovskogo instituta epidemiologii, mikrobiologii i gigiyeny.

(COMMUNICABLE DISEASES) (BACTERIA) (VARIATION(BIOLOGY))

VERETS, L.G.; MEDVINSKAYA, K.G.; NEZNANSKAYA, I.I.

Effect of subbacteriostatic doses of antibiotics on bacteria.
[with summary in English]. Antibiotiki 3 no.6:63-69 N-D '58.
(MIRA 12:2)

1. Sverdlovskiy nauchno-issledovatel'skoy institut antibiotikov.
(ANTIBIOTICS, effects,
on bact., sub-bacteriostatic doses (Rus))

PERETTS, L.G. (deceased)

Problem of the existence of normal (symbiotic) viral microflora
in the human body and methods of solving it. Vop. virus. 8 no.1:
64-68 Ja-F'63. (MIRA 16:6)

1. Nauchno-issledovatel'skiy institut virusnykh infektsiy,
Sverdlovsk.
(VIRUSES) (SYMBIOSIS)

PERETTS, L.G.; BYCHKOVSKAYA, O.V.; BAZHEDOMOVA, M.A.; BABINA, N.S.;
SEMENOVA, N.S.

Effect of potassium permanganate on the poliomyelitis virus.
Vop. virus 5 no.4:407-411 Je-Ag '60. (MIRA 14:1)

1. Sverdlovskiy nauchno-issledovatel'skiy institut po profilaktike
poliomyelita.

(POLIOMYELITIS)

(POTASSIUM PERMANGANATE)

ALI-ZADE, G.M.; TRIFEL', N.G.; PERETS, S.A., red.; AVADEYEVA, V.,
tekh. red.

[Noise of production equipment in oil fields and measures
for its control] Shum proizvodstvennogo oborudovaniia na
neftiarykh promyslakh i meropriiatiia po ego ogranicheniiu.
Baku, Azerneshr, 1963. 85 p. (MIRA 17:4)

ALIYEV, V.S.; PERETS, S.A., red.; MIRKISHIYEVA, S., tekhn. red.

[Themocontact pyrolysis of crude oil]Termokontaktnyi piroliz
neftianogo syr'ia. Baku, Azerneshr, 1962. 223 p.

(MIRA 16:4)

(Pyrolysis) (Petroleum--Refining)

VISHNEVKIN, D.B.; GENIN, A.M.; LEVINSKIY, G.I.; PERETS, S.A.,
red.; BAGIROVA, S., tekhn. red.

[Accident prevention in the operation of construction
equipment] Tekhnika bezopasnosti pri rabote na stroitel'-
nykh mashinakh. Baku, Azerneshr, 1962. 145 p.

(MIRA 16:4)

(Construction equipment--Safety measures)

NADZHAFOV, N.I.; PERETS, S.A., red.; NASIROV, N., tekhn. red.

[Use of small turbodrills in test drilling] Primenenie
malogabaritnykh turboburov v strukturno-poiskovom burenii.
Baku, Azerneshr, 1962. 70 p. (MIRA 16:5)
(Boring) (Turbodrills)

L 45597-65 EWA(h)/EWT(m) DM

ACCESSION NR: AP5009031

S/0089/65/018/003/0300/0301

AUTHOR: Markichev, Ye. I.; Shramchenko, A. D.; Lapardina, A. S.; Peretti, V. V.;
Vasil'kov, Ye. I.; Skorniyakov, V. V.

TITLE: Radioactive fallouts in the far eastern shore of the Pacific in 1962--1963

SOURCE: Atomnaya energiya, v. 18, no. 3, 1965, 300-301

15
B

TOPIC TAGS: radioactive fallout, atmospheric contamination

ABSTRACT: The methods for gathering, processing, and determining the beta activity of dry fallout and atmospheric precipitation were described in "Radioaktivnyye zagryazneniya vneshney sredy" [Radioactive Contamination of An External Medium], Gosatomizdat 1962). The precipitation was gathered monthly with the aid of a precipitation meter of 200 cm² surface. The contamination of the surface layer of the ground was determined daily by a suitably calibrated field gamma radiometer. The results gathered at four points on the far eastern shore of the Pacific were aver-

active concentration of the
the intensities of fallout at various points after cessation of the influx of C14

Card 1/2

L 45597-65

ACCESSION NR: AP5009131

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sion products in the stratosphere, and of the dependence of the degree of retention of fission products in the ground surface layer on the age of the fission products and the amount of atmospheric precipitation. The values calculated for the average maximum energy of the beta radiation of the fallout in the fall of 1962 and in August 1963 amounted to 1.0 and 1.4 MeV, respectively, which agrees with the published data on the radioactive decay of different elements.

PA 33/49T34

USSR/Electricity

Feb 49

Rectifiers, Mercury
Converters

"Selecting the . . . for Control Range for a Regulated
Mercury Converter-Motor System Operating With
Power Regeneration. In the Circuit." V. V. Peretts,
Cand Tech Sci, Z. P. Zolotareva, Engg, 3 pp

"From Energet" No 2

Studies mechanical characteristics of regulated
mercury converter-motor system to establish
efficient operating limits of the system. Gives
regulation characteristics of the converter for

33/49T34

USSR/Electricity (Contd)

Feb 49

its operation as a rectifier and as an inverter.

PERETTS, V. V.

33/49T34

PERETTS, V. B. Cand. of Tech. Sci.

"Basic Requirements for Electric Drive Elements with Controlling Mercury Converts," reported in the article "First All-Union Scientific and Technical Session on Mercury-Arc Rectifiers," Elektrichestvo, No. 11, 1949.

Abstract W-9395, 10 Apr 1950

S.A.

*Instruments, Measuring
Resistances*

621.317.714 : 621.317.435 : 621.314.1
1164. Triple-wound instrument-converter for measuring
large direct currents. V. N. Puzilov. *Electri-*
chem. No. 11, 51-54 Nov. 1961 in Russian.

The d.c. transformer is designed mainly for the
thermal and metallurgical industries, working with
very high direct currents at comparatively low
voltages, the currents being carried by single con-
ductor bars. The special conditions imposed on the
instrument converter were that (1) it should require
at fractions of 1% of the rated current; (2) its magnetic
circuit should consist of a cold-worked special steel
instead of expensive alloys; (3) its main parts should
be produced in the electrical workshops of the
industry using it; (4) it should enable currents of
5-10 kA and more to be measured with an accuracy
of 0.5-1.5%. The operation of the measuring
transformer is based on the proportionality between
a rectified alternating current and the pre-magnetizing
current in a circuit containing two coils connected in
series-opposition and arranged on a magnetic circuit
pre-magnetized by the (d.c.) current to be measured.
The d.c. transformer described differs from other
types by the arrangement of an auxiliary coil on each
of the two toroidal cores of the apparatus, for
verifying and stabilizing the secondary current during
voltage oscillations in the a.c. circuit. The third coil
can set up a magnetic field equivalent in every respect
to that of a straight conductor passing through the
hole of the toroids and carrying the measured current.
Tests of the apparatus showed that it fully satisfied
the conditions stipulated above.

PERETS. V. B.

USSR/Physics - Coercive Force

Aug 52

"Problem of Determining the Coercive Force of Nonuniformly Magnetized Samples,"
A. I. Bulanov, M. N. Mikhnevich, V. B. Perets.

"Zhur Tekh Fiz" Vol 22 No 8, pp 1325-1333

Ballistic methods were applied to measurements of coercive force of nonuniformly magnetized cylindrical samples. Compares exptl mental and theoretical results. State that choice of the correct method of measurement is dictated by conditions and ~~purpose~~. Indebted to Prof R. I. Yanus. Received 28 Jun 50.

226T99

PERETTS, V B.

AID P - 2990

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 5/28

Author : Peretts, V B , Kand. of Tech. Sci.

Title : ~~Calculation of electric power in d-c networks with large currents~~
Calculation of electric power in d-c networks with large currents

Periodical : Energetik, 6, 11-12, Je 1955

Abstract : The author together with his collaborators in a plant of the Ministry of Non-Ferrous Metals developed a scheme for the computation of electric power in installations using current of several thousands of ampers. For this, he used an ordinary a-c induction meter and an electromagnetic measuring-converter. He gives a detailed description of the device and its use, and a connection diagram.

Institution : None

Submitted : No date

1-11-11, V.D.
KLEYMAN, Ya.M., inzhener; PERETTS, V.B., kandidat tekhnicheskikh nauk

Automation of cage hoists with induction drive. Gor.shur. no.9:
56-59 S '55. (MIRA 8:8)

(Hoisting machinery)

ANIKIN, Nikolay Aleksandrovich; DROBYSHEVSKAYA, Nadezhda Ivanovna;
 DUDINOV, Vladimir Alekseyevich; KON'KOV, Arkadiy
 Sergeyevich; KONYUKHOV, Sergey Mikhaylovich; MESHCHERINOV,
 Fedor Ivanovich; POLETSKIY, Aleksandr Timofeyevich; POLYAKOV,
 Gleb Maksimovich; SAL'NIKOV, Oleg Alekseyevich; CHERNOBAY,
 Dmitriy Gavrilovich; GAVRILOV, P.G., kand. tekhn.nauk, retsen-
 zent; NEFED'YEV, G.N., kand. fiz.-mat. nauk; SOKOLOV, V.M.,
 kand. fiz.-mat. nauk; SOKOLOVSKIY, V.I., kand. tekhn. nauk;
 RUDIN, S.K., inzh.; EYDINOV, M.S., kand. tekhn. nauk; DUBITSKIY,
 G.M., doktor tekhn. nauk, red.; ZAKHAROV, B.P., inzh., red.;
 KONOVALOV, V.N., kand. tekhn. nauk, red.; PERETS, V.B., kand.
 tekhn. nauk, red.; ROZENBERG, I.A., kand. ekonom. nauk, red.;
 STEPANOV, V.V., kand. tekhn. nauk, red.; SUSTAVOV, M.I., inzh.,
 red.; SHARASHOV, S.P., kand. tekhn. nauk, red.; DUGINA, N.A.,
 tekhn. red.

[Handbook for inventors and innovators] Spravochnik dlia izobre-
 tatelia i ratsionalizatora . [By] N.A. Anikin i dr. Izd.3., ispr.
 1 dop. Moskva, Mashgiz, 1962. 791 p. (MIRA 16:1)
 (Technological innovations—Mechanical engineering)

PERETTS, V.B., kand.tekhn.nauk

Scientific and technical conferences on light fixtures,
Svetotekhnika 8 no.2:30-31 F '62. (MIRA 15:1)
(Light fixtures--Congresses)

PERETS, V.B., kand.tekhn.nauk; SHEYDIN, S.A., inzh.

Illumination of metallurgical enterprises in accordance
with "Construction Norms and Specifications," Svetotekhnika
5 no.12:20-22 D '59. (MIRA 13:4)

1. Vsesoyuznyy institut okhrany truda Vsesoyuznogo tsentral'nogo
soвета профсоюзов (for Perets). 2. Magnitogorskiy metallurgicheskiy
kombinat (for Sheydin).
(Electric lighting)

VOL'KHINA, T.P.; PERETTS, V.B., kand. tekhn. nauk

Studying the effect of lighting on the eyesight of rolling mill operators. Svetotekhnika 4 no. 8:11-14 Ag '58. (MIRA 11:7)

1. Sverdlovskiy institut okhrony truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov.

(Rolling mills)
(Optometry)

PHASE I BOOK EXPLOITATION

SOV/3612

Peretts, Vladimir Borisovich

Puti uluchsheniya elektricheskogo osveshcheniya promyshlennykh predpriyatiy (Methods for Improving the Electric Lighting of Industrial Enterprises) Sverdlovsk, Metallurgizdat, Sverdlovskoye otd-niye 1958. 128 p. Errata slip inserted. 3,500 copies printed.

Ed. of Publishing House: Yu.V. Luchko; Tech. Ed.: Ye.M. Zef;
Ed.: A.I. Berenov.

PURPOSE: This book is intended for the technical personnel of industrial enterprises. It may also be used by personnel of technical inspection services and sanitary-epidemiological stations.

COVERAGE: The book presents general information on the illumination of industrial enterprises and the effect of illumination on operating efficiency, quality of production, and traumatism. It presents the basic indices characterizing intensity of illumination in shops of metallurgical enterprises. Methods for improving

Card 1/5

Methods for Improving (Cont.)

SOV/3612

illumination in shops of industrial enterprises and methods of designing artificial lighting systems are discussed. Some of the material in this book is based on experience in the field of lighting efficiency in ferrous metal plants obtained at the Laboratory of Industrial Illumination of the Vsesoyuznyy nauchno-issledovatel'skiy institut okhrany truda (All-Union Scientific Research Institute For the Protection of Labor) in Sverdlovsk. This work was carried out by Engineer S.P. Mikhaylovskiy (deceased), in collaboration with M.N. Kucherova, V.V. Deryabin, V.V. Sushkin, M.V. Vershinin, and A.D. Ivanova. The author also used the results of studies conducted by himself and T.P. Vol'khina. There are 14 references, all Soviet.

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Methods for Improving (Cont.)

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Card 4/5

PERETTS, Vladimir Borisovich,; BERENOV, A.I., red.; LUCHKO, Yu.V., red. izd-va,;
ZEM, Ye.M., tekhn. red.

[Methods for improving the electric lighting of industrial enterprises] Puti uluchsheniia elektricheskogo osveshcheniia promyshlennykh predpriatii. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, Sverdlovskoe otd-nie, 1958. 128 p. (MIRA 11:12)

(Electric lighting)

PERETTI S, V. B.

Lighting the Rolled Stock Finishing Department, V. V.
Deryabin and V. B. Peretti. (Stal', 1957, (6), 436-437).
Reconstructing the illumination is described.

Peretti

2

DERYABIN, V.V.; PERKITS, V.B.

Lighting of rolling mill finishing departments. Stal' 17 no.5:436-
437 My '57. (MIRA 10:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut okhrany truda im.
S.M. Kirova.

(Rolling mills)

(Factories--Lighting)

PERETURINA E.F.

•Electrodeposition of Zn-Cd alloy. Approx. 8.7

position from alkaline cyanide bath. Data showing the deposit composition and characteristics and the cathodic current efficiency are tabulated for baths of various compo. and for various d. Alloy deposition first began when the Zn concentration in the bath was 1.5-11. As the Zn conc. in the deposit and the cathodic current efficiency decreased with increase in d. bath spirit tests showed that alloy deposits can be obtained and the composition can be controlled.

~~PERETURINA, B. P.~~ PERETURINA, B. P.

The electrodeposition and protective value of zinc-cadmium alloys. N. T. Kudryavtsev and B. P. Pereturina, *Electroplating and Metal Finishing* 7, 372-5 (1954). Joseph S. Smatko

PERETURINA, E.F.

USSR.

✓ Electrodeposition of alloys of cadmium with zinc. — N. T.
Kudryavtsev and E. F. Pereturina, *J. Appl. Chem. U.S.S.R.*
S.R. 26, 133-0 (1954) (English translation). — See C.A. 48,
2185.
H. L. H.

PERETURINA, E. F.

USSR .

The Electrodeposition and Protective Value of Zinc-Cadmium Alloys. N. I. Kucharskiy and E. F. Pereturina. (*Journal of Applied Chemistry*, 1953, 26, (5), 135-136; *Abstracts*, 1954, 7, Oct., 372-373). Cyanide-based electrolytes were used with 50/50 Zn-Cd anodes to determine the value of the deposits for the protection of steel in marine environments. Compositions of electrolytes and electrolysis conditions were established for the deposition of Zn-Cd alloys of a range of compositions. An alloy containing 17-20% Zn gave the best protection and behaved similarly to pure cadmium in the salt spray test.—A. D. M.

7 5877

E.I. PERETURINA

Chemical Abst.
Vol. 48 No. 6
Mar. 25, 1954
Electrochemistry

② 4

Electrodeposition of alloys of cadmium with zinc. N. T. Kudryavtsev and E. I. Pereturina. *Zhur. Priklad. Khim.*, 26, 155-9(1953).—Zn and Cd alloys were deposited from aq. baths contg. KCN. Two plating baths were used with Cd(OH)₂ and KCN, resp.: 0.6, 1.5N in one bath (I); and 1.0, 2.0N in the other bath (II). Before adding Cd(OH)₂, an equiv. vol. of soln. was withdrawn to maintain the metal concn. const. Simultaneously KCN was added to make up for the loss. As anode, a 50 Zn-50 Cd plate was used. For a c.d. of 1 amp./sq. dm. at 18-20° the best electrolyte concns. in equivs. of Cd, Zn, KCN, and KOH (total) were: I 0.45-48, 0.17-0.26, 1.5, and 0.6; II 0.62-0.83, 0.23-0.22, 3.0, and 1.0. The best deposits were Cd and Zn in wt. %: I 80-86 and 20-14; II 77-83 and 23-18. A higher concn. of KOH increased the proportion of Zn in the deposit, while a higher c.d. decreased it. Zn would not be deposited with Cd at a Zn concn. in the electrolyte lower than 0.1N. Deposits from I with free KCN at 0.3N were brighter than from II with free KCN of 1.0N and polished readily; those from II polished with more difficulty. Deposits of 5, 10, and 15 μ were obtained from I, at c.d. of 1 amp./sq. dm. The deposits were of the same compn., 80% Cd and 14% Zn, regardless of the thickness of the layer. Deposits with up to 80% Cd deposited on Fe were found to be most corrosion resistant. I. Benecrowitz

PERETURINA, E.F.

✓ Electrodeposition and protective value of zinc-cadmium alloys.
A. I. KAMINAVSKIY and E. F. Pereturina (*J. appl. Chem., USSR*,
1952, 80, 185-189; *English transl.*, 1954, 7, 372-375).—Two
solution compositions for optimum Cd-Zn alloy deposition are
given, one with a low and one with a high content of Cd. For both
solutions, the influence of the ratio of Zn to Cd on the composition
of the deposit was investigated. The influence of the current
density on the composition of the deposit and on the current
efficiency was determined. Corrosion tests were conducted with
10% aq. NaCl at room temp. and it was found that alloys containing
more than 60% of Cd showed a corrosion resistance equal to that
of pure Cd. D. J. C. YATES.

07

GRIN', A.V.; PAVLOV, V.A.; PERKTURINA, I.A.

Effect of static distortions in crystal lattices on the mechanical properties of aluminum and magnesium alloys. Part 1: Dependence of creep and temporary resistance limits on temperature and rate of deformation. Fiz. met. i metalloved. 5 no. 3:493-500 '57.

(MIRA 11:7)

1. Institut fiziki metallov Ural'skogo filiala AN SSSR.

(Crystal lattices)

(Alloys--Testing)

(Creep of metals)

SOV/124-58-10-11894

Translation from: Referativnyy zhurnal Mekhanika. 1958, Nr 10, p 159 (USSR)

AUTHORS: Pavlov, V. A., Gaydukov, M. G., Grin', A. V., Pereturnina, I. A.

TITLE: The Effect of Static Distortions in a Crystal Lattice on Mechanical Properties of an Alpha Solid Solution of Al with Mg (Vliyaniye staticheskikh iskazheniy kristallicheskoy reshetki na mekhanicheskiye svoystva splavov α -tverdogo rastvora alyuminiya s magniyem)

PERIODICAL: V sb. Issled. po zharoprochn. splavam. Vol 2 Moscow, AN SSSR, 1957 pp 257-265

ABSTRACT

Alloys containing up to 2% Mg were investigated. Atoms of elements dissolved in these alloys produce significant distortions in the crystal lattice, while, at the same time, the cohesive forces are independent of the concentration of the solid solution. Within a wide range of temperatures the modulus of normal elasticity of an α solid solution of Al and Mg is independent of concentration. Investigations revealed that the maximum value of internal friction, which is determined by the diffusion of Mg, is displaced into the range of high temperatures as the concentration of the Mg is increased; this condition is indicative of nonuniform volumetric

Card 1/2

The Effect of Static Distortions in a Crystal Lattice on Mechanical Properties (cont) SOV/124-58-10-11894

distribution of impurities and also points to the formation of atom complexes. It is concluded that internal friction is connected with the diffusion of clouds of atoms of impurities surrounding the dislocations. Stress-relaxation studies demonstrated that diffusion processes occur during the deformation of alloys. The yield-point/temperature curve of the alloy possesses several maxima, the magnitude of which depends on the strain rate; a certain anomalousness is observed in this function consisting in a lowering of the yield point with increasing strain rates.

G. A. Tulyakov

Card 2/2

PAVLOV, V.A.; PERETURINA, I.A.

Effect of impurities on the mechanism of plastic deformation
and the shape of the tensile stress curve for alloys. Fiz.
met. i metalloved. 14 no.1:92-96 J1 '62. (MIRA 15:7)

1. Institut fiziki metallov AN SSSR.
(Alloys--Testing)
(Deformations (Mechanics))

66231

SOV/126-8-3-15/33

18.1250, 18.8200, 18.7520

AUTHORS: Pavlov, V.A. and Pereturina, I.A.

TITLE: Mechanical Properties of Nickel-Aluminium Alloys

PERIODICAL: Fizika metallov i metallovedeniye, 1959, Vol 8, Nr 3, pp 417-425 (USSR)

ABSTRACT: In the present work results are given of an investigation of the relationship between the UTS on the one hand and alloy composition and conditions of deformation on the other, of nickel-aluminium solid solutions. These alloys are characterized by the fact that their modulus of elasticity, characteristic temperature and static distortion of the crystal lattice increase with increase in alloy concentration. A considerable part of the increase in interatomic bond force appears to be associated with the existence of close order, as during plastic deformation at room temperature the characteristic temperature decreases, approaching the value of pure nickel (Ref 3). The alloys were melted from the high purity electrolytic nickel N0000 and the aluminium AV000 in a vacuum of 10^{-5} mm Hg. The ingots were homogenized and forged into rods, 10 x 10 mm. The billets were planed to a depth of 0.5 to 1.0 mm in order to remove the

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66231

SOV/126-8-3-15/33

Mechanical Properties of Nickel-Aluminium Alloys

surface layer and subsequently rolled and drawn into wires of approximately 1 mm diameter. Wire drawing was carried out at room temperature with the application of several intermediate annealing treatments in vacuum at 800°C. After the last intermediate anneal, the wires were given a deformation of 80% reduction in area and in this state were allowed to recrystallize in the temperature range 850 to 1000°C in vacuum. The recrystallization temperature for each alloy was selected so as to ensure equal grain size for all alloys. The linear grain size in all alloys was approximately 0.1 mm. The specimens were pulled in a special machine and the temperature was varied from 77 to 973°K. The deformation rate at the same time increased 300 times. Fig 1 shows the curves for the temperature dependence of the UTS of pure nickel and nickel alloys containing 0.025, 0.05, 0.5, 1.5 and 2.93% Al. Fig 2 shows curves for the dependence of the UTS on the concentration of the solid solution for two deformation rates, differing by a factor of 300. Fig 3 shows the difference in UTS at -196 and 100°C varying with Al content. Fig 4 shows a curve for the change in UTS in

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66231

SOV/126-8-3-15/33

Mechanical Properties of Nickel-Aluminium Alloys

relation to the reciprocal of temperature for low temperatures of deformation (from 77 to 600°K). The authors arrive at the following conclusions: On alloying nickel with aluminium, the solid solution increases in strength except for low concentration regions in which an initial decrease in UTS is observed. As the concentration of the solid solution increases, the dependence of the UTS on temperature and deformation rate increases. In alloys containing 1.5 and 2.93%Al, an uneven relationship between UTS and temperature exists. The experimental results of the present work, as those of investigations of other alloys in preceding papers, show that the chief reason for the strengthening of alloys on plastic deformation by slip is a change in the nature of the fine structure of the solid solution, which leads to a fuller employment of the interatomic forces in the bond. The fact that UTS is dependent to a greater measure on temperature and deformation rate in the case of alloys than it is in that of pure metals, and also the uneven temperature dependence, show that in the investigated solid solutions thermally activated processes occurring

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66231

Mechanical Properties of Nickel-Aluminium Alloys SOV/126-8-3-15/33

during deformation influence the development of plastic deformation by slip. There are 4 figures and 21 references, 6 of which are Soviet and 15 Western.

ASSOCIATION: Institut fiziki metallov AN SSSR (Institute of Metal Physics AS USSR)

SUBMITTED: August 21, 1958

Card 4/4



PERETURINA, I.A.

PAVLOV, V.A.; GAYDUKOV, M.G.; GRIN', A.V.; PERETURINA, I.A.

Effect of static distortions in crystal lattices on the
mechanical properties of alloys of alpha solid solutions
of aluminum and magnesium. Issl. po zharopr. splav. 2:257-265
'57. (MIRA 11:2)

(Crystal lattices)
(Solutions, Solid)
(Aluminum-magnesium alloys)

PERETURINA, J. A.

18(7)

PHASE I BOOK EXPLOITATION

80V/3355

Akad-miya nauk SSSR. Institut metallurgii. Nauchnyy sovet po
probleme sharoprochnykh splavov

Issledovaniya po sharoprochnym splavam, t. IV (Studies on Heat-re-
sistant Alloys, vol. 4), Moscow, Izd-vo AN SSSR, 1959. 400 p.
Errata slip inserted. 2,200 copies printed.

Ed. of Publishing House: V. A. Klimov; Tech. Ed.: A. P. Guseva;
Editorial Board: I. P. Bardin, Academician; G. V. Kurdumov,
Academician; H. V. Ageyev; Corresponding Member, USSR Academy of
Sciences; I. A. Odintsov, I. M. Pavlov, and I. P. Zudin, Candidate
of Technical Sciences.

PURPOSE: This book is intended for metallurgists concerned with
the structural metallurgy of alloys.
the structural metallurgy of alloys.

COVERAGE: This is a collection of specialized studies of various
problems in the structural metallurgy of heat-resistant alloys.
Some are concerned with theoretical principles, some with des-
criptions of new equipment and methods, others with properties
of specific materials. Various phenomena occurring under
specified conditions are studied and reported on. For details,
see Table of Contents. The articles are accompanied by a num-
ber of references, both Soviet and non-Soviet.

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